

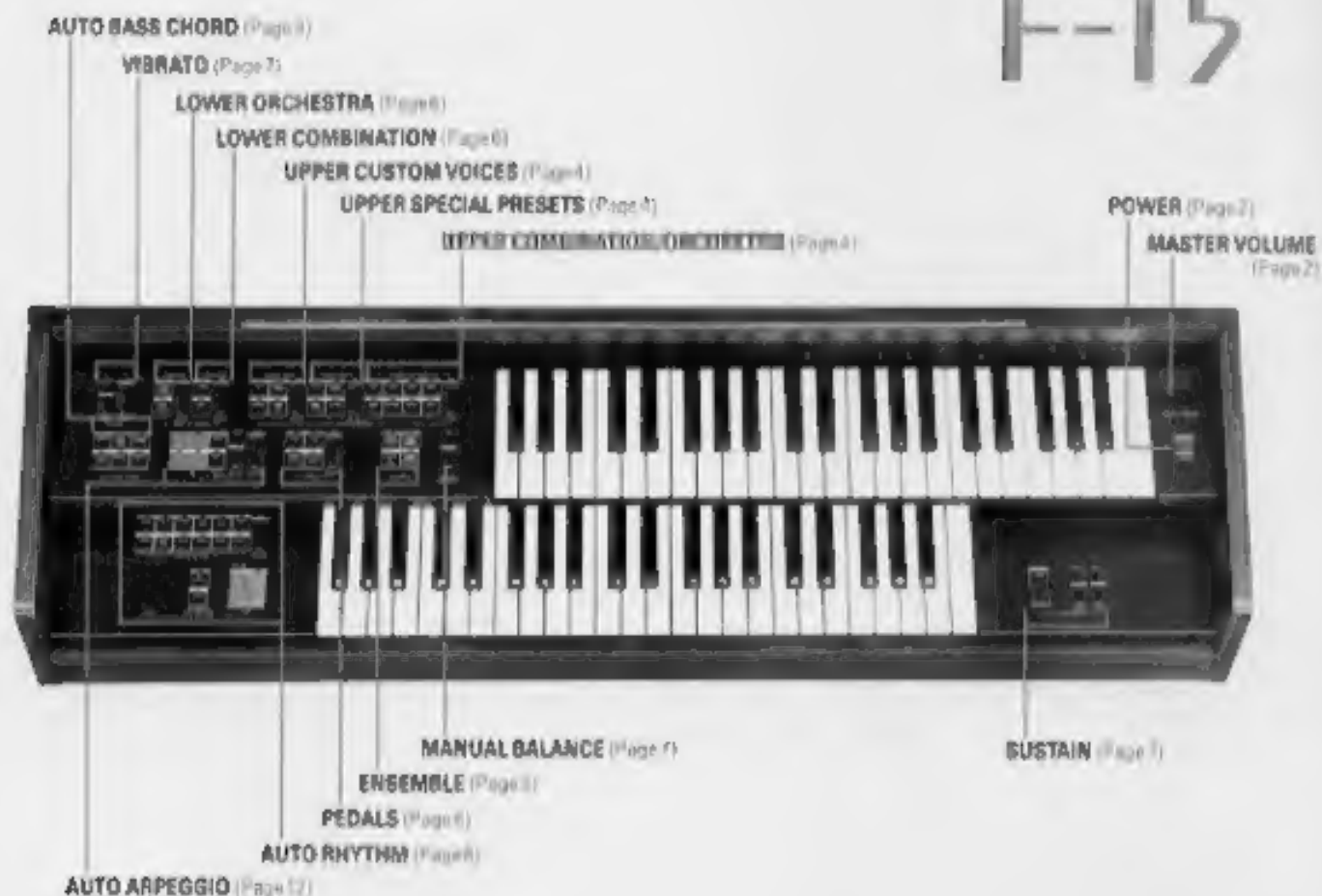
# F-15

# F-5

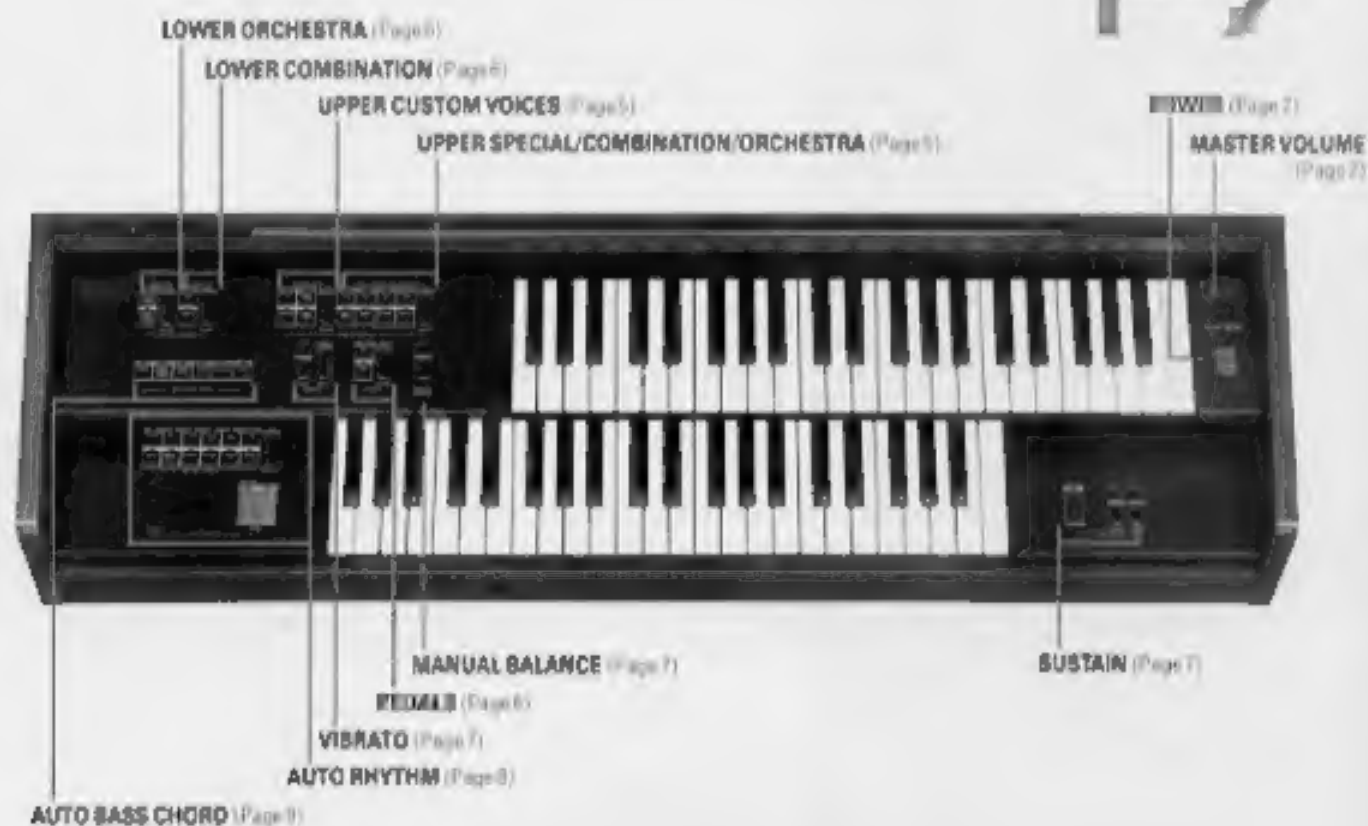
MAKING THE MOST OF  
YOUR ELECTONE

YAMAHA ELECTONE™

# F-15



# F-5



## **WELCOME TO YAMAHA'S WONDERFUL WORLD OF MUSIC!**

*Congratulations! With your purchase of a Yamaha Electone you have acquired the most advanced electronic organ available today. In the F-15/F-5 Electone, Yamaha has combined the superb craftsmanship it has acquired over many years of making fine musical instruments with the latest developments in modern electronic technology. We are confident that you will be particularly pleased with the unique "Living Sound" and "Rich Ambience" that Yamaha's advanced digital electronic technology has made possible. We also believe that the wide variety of easy play features incorporated in your Electone will provide you with endless satisfaction and musical pleasure.*

## **CONTENTS**

	<b>Page</b>
I. GETTING ACQUAINTED WITH YOUR ELECTONE .....	2
II. FEATURE BY FEATURE EXPLANATION	
• ENSEMBLE SECTION (F-15 ONLY) .....	3
• VOICE SECTIONS FOR UPPER KEYBOARD (F-15) .....	4
• VOICE SECTIONS FOR UPPER KEYBOARD (F-5) .....	5
• VOICE SECTIONS FOR LOWER KEYBOARD .....	6
• VOICE SECTION FOR PEDAL KEYBOARD .....	8
• EFFECTS AND CONTROLS .....	7
• AUTO RHYTHM UNIT .....	8
• AUTOMATIC FEATURES .....	9
III. USEFUL INFORMATION ABOUT THE ELECTONE	
• ACCESSORY JACKS .....	13
• ELECTROMAGNETIC INTERFERENCE .....	13
• INSTALLATION AND MAINTENANCE .....	14
• TROUBLESHOOTING .....	15
• SPECIFICATIONS .....	16
• FCC CERTIFICATIONS .....	17

# I. GETTING ACQUAINTED WITH YOUR ELECTONE

We know that you're anxious to get started! But...Have you read the **INSTALLATION AND MAINTENANCE** section? If not, this is the time to do so, and you can find that section on page 14.

Now that you've read the **INSTALLATION AND MAINTENANCE** section, let's begin. If we seem to start from a point that seems overly "basic", please be patient. We will get to the study of individual effects and controls right after we satisfy your urge to play something...anything at all...just to reassure yourself that you are the master of this new purchase, and that you did select wisely.

First, a few basic controls must be identified.

- 1) The **POWER** switch located on your right must be on. Naturally, the A/C plug has to be plugged in, too!

The power indicator lamp will light up.



POWER

- 2) The **MASTER VOLUME** control should be turned clockwise to a position where the white mark is vertical. You may want to change this setting from time to time.

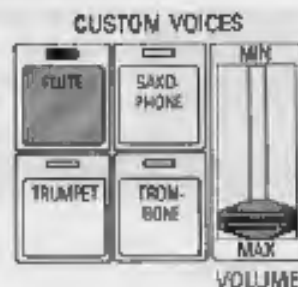


MASTER VOLUME

- 3) Your Electone has an **EXPRESSION PEDAL** which must be pushed down slightly in order that the music you're about to produce can be heard.



- 4) Next, press the button marked **FLUTE** and set the slide control of the **CUSTOM VOICES** section as shown in the illustration.



On the F-15, you must also press the **UPPER CUSTOM** button in **ENSEMBLE** section.



ENSEMBLE

The sound you heard should be a very lifelike flute. Just in case you're wondering with only one Key seems to work we need to define the Keying capabilities and their priorities.

## ★ KEYING PRIORITIES

**Upper Keyboard:** A total of seven keys may be played at any one time.

★ Custom Voices are **MONOPHONIC**, meaning that only one note at a time can be played, and if more than one note is pressed, the Custom Voices will play the note farthest to the right.

**Lower Keyboard:** A total of seven keys may be played at any one time.

**Pedal Keyboard:** The Pedal Keyboard is **MONOPHONIC** (meaning that only one note at a time can be played). When more than one pedal is pressed, the highest note (pedal farthest to the right) will be heard.

## II. FEATURE BY FEATURE EXPLANATION

### ENSEMBLE SECTION • (F-15 only)

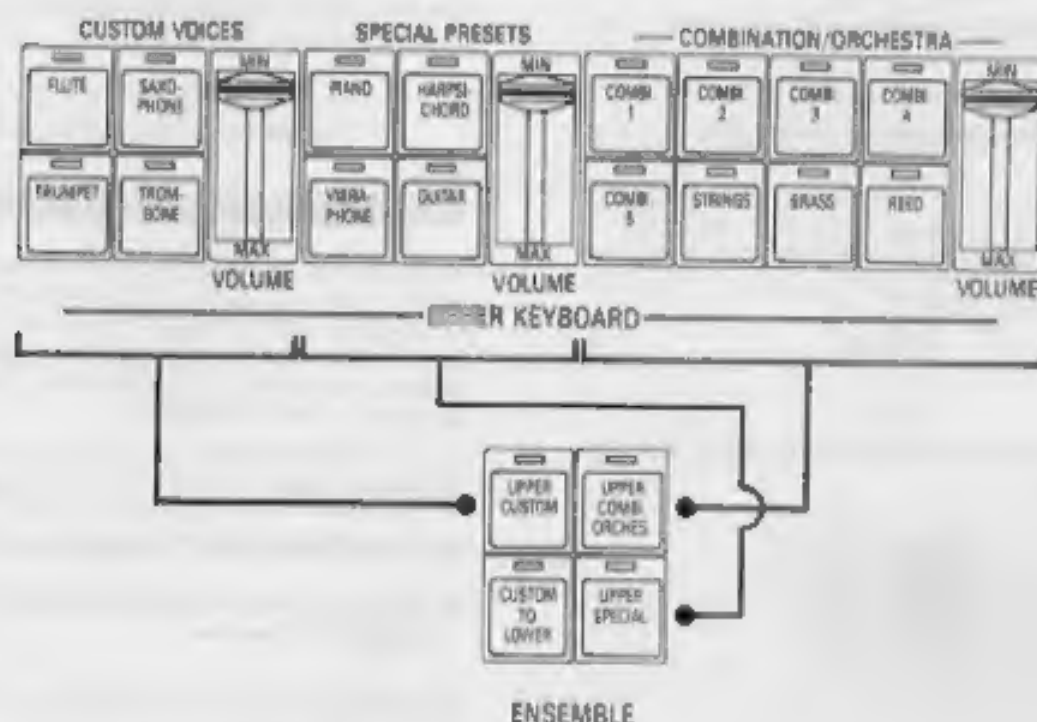


#### ENSEMBLE

### ENSEMBLE

On the F-15, the turning ON and OFF of the voice sections of the Upper Keyboard is controlled by the ENSEMBLE section. The Upper Keyboard has the 3 voice sections COMBINATION/ORCHESTRA, SPECIAL PRESETS, and CUSTOM VOICES. By pressing two or more of the ENSEMBLE buttons, these voices can be combined.

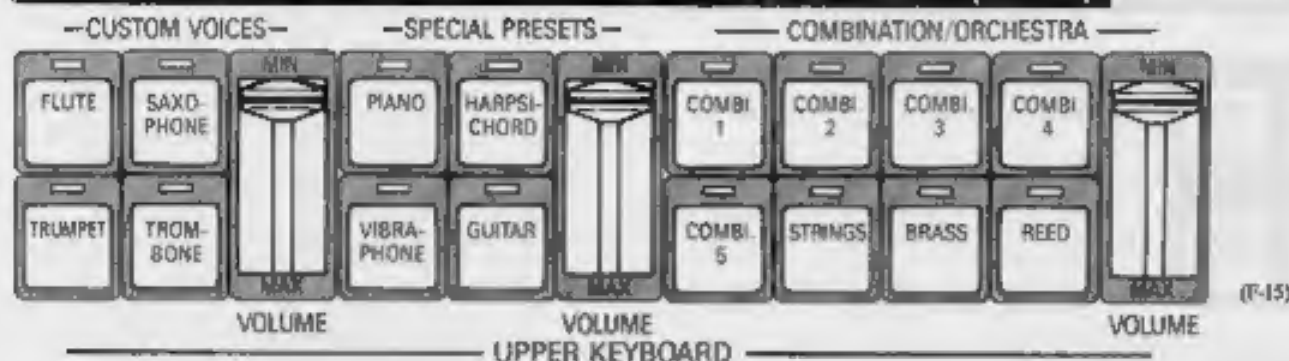
The illustration below shows which ENSEMBLE buttons correspond to which voice section. Since the ENSEMBLE buttons have the same color as the voice section they are very easy to use. Once you've become familiar with these controls, try combining the various voices. We are sure that you'll find a broad variety of sounds that will be both exciting and useful. While the F-5 does not have the very convenient Ensemble section, the sounds available in each of the two voice sections can easily be combined (at your preferred volume levels) by using the corresponding volume sliders.



#### ENSEMBLE

- ★ The CUSTOM TO LOWER button on the lower left has the function of transferring the CUSTOM VOICES to the Lower Keyboard. (See page 6 for details.)

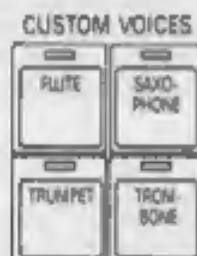
# VOICE SECTIONS FOR UPPER KEYBOARD (F-15)



## CUSTOM VOICES

These selectors (outlined in gold) are used to re-create several solo instruments. Since these are solo instruments, only one note may be played at any given time. To familiarize yourself with the operation of this section, please try the following examples:

- 1) Select a voice.



- 2) Pull the volume slide control toward you.



- 3) Press the UPPER CUSTOM button in the ENSEMBLE section.



## ENSEMBLE

When you press a note on the Upper Keyboard, you will now hear the sound that you selected in step #1. To appreciate the tremendous versatility of your Electone, take this opportunity to listen to the remaining sounds in this section.

## SPECIAL PRESETS

These selectors (outlined in orange) are used to re-create some of the more percussive sounds of the orchestra, such as piano, harpsichord and vibraphone.

- 1) Select a voice.
- 2) Pull the volume slide control toward you.
- 3) Press the UPPER SPECIAL button in the ENSEMBLE section.

When you press a key on the Upper Keyboard, you will now hear the sound that you selected in step #1. Also listen to the other voices.

## COMBINATION/ORCHESTRA

In this section (outlined in blue), you can produce two major types of voices, COMBINATION and ORCHESTRA. Various "organ" sounds are preset in COMBINATION, while the sounds of the major instrumental sections of an orchestra, including strings, brass and reeds, are preset in ORCHESTRA.

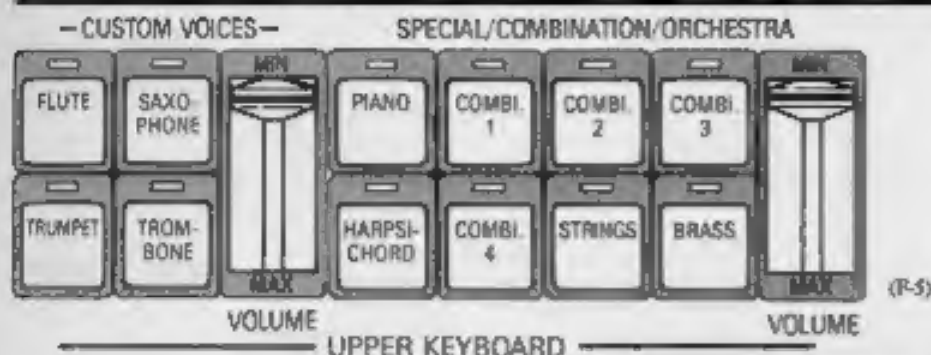
- 1) Select a voice.
- 2) Pull the volume slide control toward you.
- 3) Press the UPPER COMBI ORCHES. button in the ENSEMBLE section.

Now, when you press a note on the Upper Keyboard, you will hear the sound that you selected in step #1. Also listen to the other voices.

### ● Tones Preset in COMBINATION

- COMBI 1: Flute coupler sound 1
- COMBI 2: Flute sound
- COMBI 3: Jazz organ sound
- COMBI 4: Full coupler organ sound
- COMBI 5: Flute coupler sound 2

# VOICE SECTIONS FOR UPPER KEYBOARD - (F-5)



## CUSTOM VOICES

These selectors (outlined in gold) are used to re-create several solo instruments. Since these are solo instruments, only one note may be played at any given time. To familiarize yourself with the operation of this section, please try the following examples:

- 1) Select a voice.



- 2) Pull the volume slide control toward you.



When you press a note on the Upper Keyboard, you will now hear the sound that you selected in step #1. To appreciate the tremendous versatility of your Electone, take this opportunity to listen to the remaining sounds in this section.

## SPECIAL PRESETS/COMBINATION/ORCHESTRA

In this section, you can choose from three or types of voices.

In the SPECIAL PRESETS section (outlined in orange), the more percussive sounds such as piano or harpsichord are preset, while the COMBINATION section (outlined in blue) comprises presets for various organ sounds. The ORCHESTRA section (also outlined in blue) has presets for string and brass sounds available.

- 1) Select a voice.

- 2) Pull the volume slide control toward you.

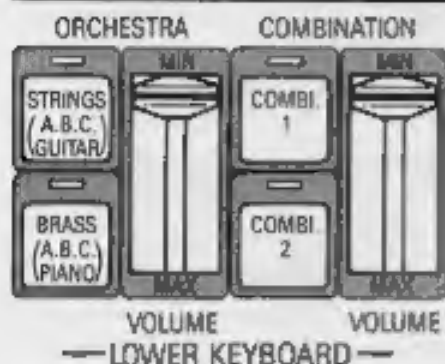
Now, when you press a note on the Upper Keyboard, you will hear the sound that you selected in step #1. Also listen to the other voices.

### ● Tones Preset in COMBINATION

- COMBI. 1: Flute coupler sound
- COMBI. 2: Flute sound
- COMBI. 3: Jazz organ sound
- COMBI. 4: Full coupler organ sound



## VOICE SECTIONS FOR LOWER KEYBOARD



### COMBINATION

In this section, two types of "organ" sounds are preset. Please select either one of them and pull the volume control toward you. You can also combine these sounds with the following ORCHESTRA voices.

COMBI. 1: Flute sound  
COMBI. 2: Flute + Selected Harmonics

### ORCHESTRA

In this section, string and brass sounds are preset. Select either of them and pull the volume control toward you. You can also combine these sounds with the COMBINATION voices.

- ★ When using AUTO BASS CHORD and AUTO RHYTHM, strings change to guitar and brass to piano automatically. (See page 9 for details.) In addition the sounds will automatically become "animated" in a style that complements the selected rhythm.

### ● CUSTOM VOICES (F-15 only)

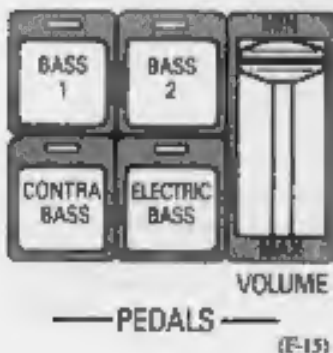
On the F-15, it is possible to produce CUSTOM VOICES on the Lower Keyboard as well. Select a voice, pull the volume control toward you and press the UPPER CUSTOM and CUSTOM TO LOWER buttons in the ENSEMBLE section.



ENSEMBLE

- ★ When the CUSTOM VOICES are transferred to the Lower Keyboard, it is not possible to produce CUSTOM VOICES sounds on the Upper Keyboard.
- ★ When using AUTO BASS CHORD, it is not possible to transfer CUSTOM VOICES to the Lower Keyboard.

## VOICE SECTION FOR PEDAL KEYBOARD



This section controls the type of sounds that will be produced by the BASS section. (The F-15 has BASS 1, BASS 2, CONTRABASS and ELECTRIC BASS, while the F-5 has BASS 1 and 2.) Select a voice, pull the volume control toward you, then press a pedal. (Note: ABC must be in Normal mode.)



## EFFECTS AND CONTROLS



### VIBRATO

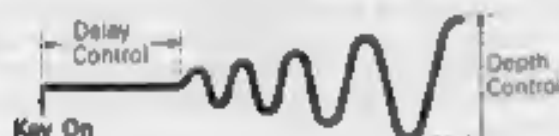
Vibrato can be applied to the sound produced by Upper, Lower and Pedal Keyboards. Depending on how you set the slide controls, you can produce either a normal or a delayed vibrato effect.

#### ● Normal Vibrato

To produce the normal vibrato effect, pull the DEPTH control toward you; the farther forward the control is pulled, the more pronounced the vibrato.

#### ● Delayed Vibrato (Upper Keyboard)

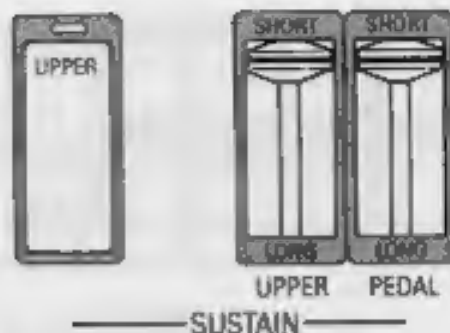
This vibrato does not start until some time after a note has been played on the Upper Keyboard. Set the DEPTH control to the desired amount, then pull the DELAY control toward you to achieve the amount of delay desired; the farther you pull the control toward you, the longer the delay.



MANUAL  
BALANCE

### MANUAL BALANCE

This variable control (located on the panel to the left of the Upper Keyboard) is helpful when you want to adjust the relative balance between the volume of the Upper and Lower Keyboards. The volume for the Upper Keyboard increases when it is moved toward the UPPER position, while the volume for the Lower Keyboard increases when it is moved toward the LOWER position.

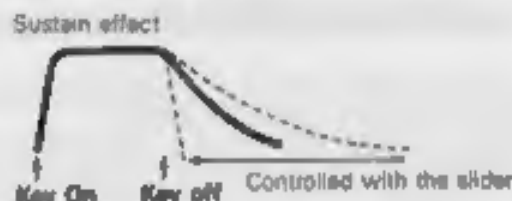


### SUSTAIN

The SUSTAIN function allows a gradual fade-out of sound after the keys have been released. It can be utilized with any voice on either the Upper or Pedal Keyboards.

#### ● Upper Sustain

Press the UPPER button to sustain the sounds generated by the Upper Keyboard and use the UPPER slide control to regulate the amount of sustain desired.



- ★ The sustain effect cannot be added to the CUSTOM VOICES.
- ★ The amount of sustain for the SPECIAL PRESETS is fixed and cannot be adjusted with the UPPER control.

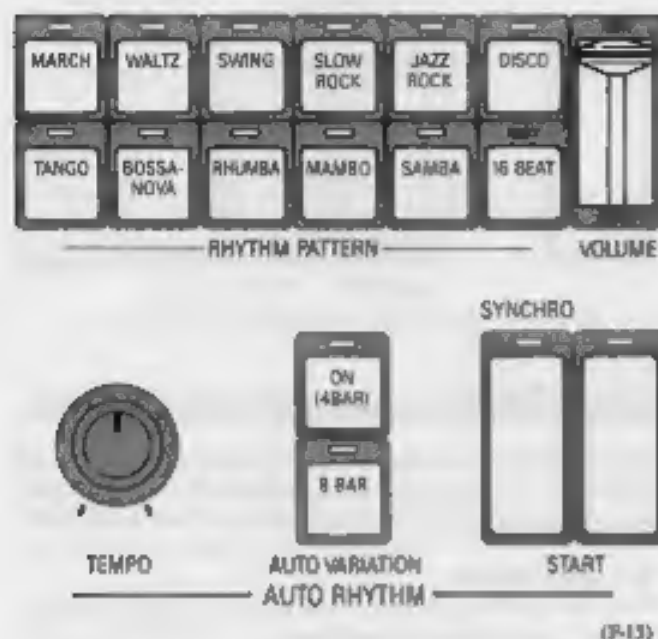
#### ■ Pedal Sustain

Simply pull the PEDAL slide control toward you to apply the desired amount of sustain.

#### ● Knee Lever Control (F-15 only)

The knee lever (located beneath the keyboards) can be used to turn the SUSTAIN function for the Upper Keyboard "ON" or "OFF". To operate, press the UPPER button, adjust the slide controls to your taste, and move the knee lever to the right. Hold the lever in this position for as long as you desire SUSTAIN, and release the lever when you want to turn it off.

# AUTO RHYTHM UNIT



## AUTO RHYTHM

The Auto Rhythm Unit of your Electone features a variety of very authentic percussion sounds.

Follow the simple step-by-step procedure outlined below, which describes the operation of your Auto Rhythm Unit.

- 1) Select and press one of the 12 Rhythm Pattern buttons.



- 2) Pull the VOLUME slide control toward you.
- 3) Adjust the tempo of the rhythm.  
The TEMPO control is used to regulate the speed of the Auto Rhythm Unit. To increase the speed, turn it clockwise. To decrease the speed, turn the control counterclockwise.
- 4) Press the START button on the right.

Subsequently, the rhythm selected in step # 1 above will begin. Take this opportunity to listen to the other possibilities.

The 12 rhythm patterns can be combined by pressing any two buttons in the top row or in the bottom row simultaneously. (A button in the top row and one in the bottom row cannot be combined.)

### ● START and SYNCHRO START

There are two ways to activate the Auto Rhythm Unit. When the START button is turned on, the rhythm will begin immediately, from the first beat. When using SYNCHRO START (left selector), the rhythm will wait for you to press either a Lower Keyboard or Pedal note, and then it will begin from the first beat. This feature allows the rhythm to be synchronized with you...starting only when you do.

### ● Downbeat Indicator Lamp

Once the rhythm has been activated, this lamp will flash at the first beat (downbeat) of each measure. In addition, when SYNCHRO START is in use, this lamp will act as a silent visual metronome, indicating the exact tempo until the rhythm is started.

### ● AUTO VARIATION (F-15 only)

This function allows you to introduce a preselected one-bar rhythmic variation into the music every four or eight bars. Since the rhythms change at natural breaks in the musical phrasing, it provides an excellent way to enliven the music.

If you depress the ON (4 BAR) button only, the new rhythm variation pattern will be introduced every four bars.



To introduce the variation every eight bars you must depress both the ON (4 BAR) and 8 BAR buttons simultaneously.

### ● Foot Switch Control (F-15 only)

If the foot switch (located at the rear left of the expression pedal) is moved to the left, the rhythm will stop. If the foot switch is activated again, the rhythm will re-start.